

22912 U.S. PTO  
010204

Express Mail Label No.: EL 992 785 369 US

PATENT  
Attorney Docket No.: MSU-08604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

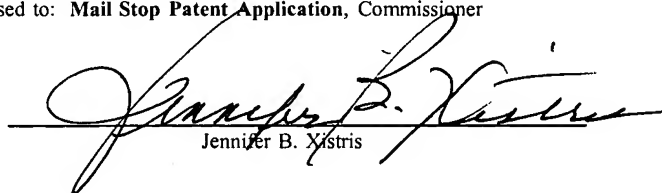
17497 U.S. PTO  
10/751235  
010204

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Dean DellaPenna, Li Tian and Joonyul Kim for Novel Carotenoid Hydroxylases for Use in Engineering Carotenoid Metabolism in Plants.

CERTIFICATION UNDER 37 C.F.R. § 1.10

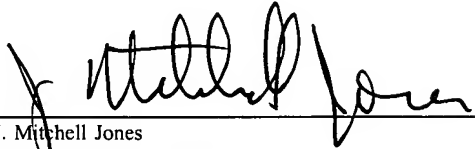
I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date, January 2, 2004, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL 992 785 369 US, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jennifer B. Xistris

1. **Type Of Application**  
This new application is for a(n)  
☒ Original (nonprovisional)
2. **Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**  
104 Pages of Specification  
5 Pages of Claims  
1 Page of Abstract  
42 Sheets of Informal Drawings
3. **Declaration**  
☒ Enclosed  
☒ Unexecuted.
4. **Inventorship Statement**  
The inventorship for all the claims in this application is:  
☒ the same
5. **Language**  
☒ English
6. **Fee Calculation (37 C.F.R. § 1.16)**  
☒ Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$770.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	32 - 20 =	12 × \$18.00 =	\$216.00
Independent Claims (37 C.F.R. § 1.16(b))	12 - 3 =	9 × \$86.00 =	\$774.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$290.00 =		\$0.00
Filing Fee Calculation			\$1,760.00

**7. Small Entity Statement(s)**☒ Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.**Filing Fee Calculation (50% of above) \$880.00****8. Fee Payment Being Made At This Time**☒ Enclosed☒ basic filing fee \$880.00**Total Fees Enclosed \$880.00****9. Method of Payment of Fees**☒ Check in the amount of \$880.00**10. Authorization To Charge Additional Fees and Credit Overpayment**☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fees, and/or credit any overpayment, to Deposit Account No.: **08-1290**. An originally executed duplicate of this transmittal is enclosed for this purpose.**11. Power of Attorney by Assignee**☒ Enclosed (unexecuted)**12. Return Receipt Postcard**☒ EnclosedDated: January 2, 2004  
J. Mitchell Jones  
Registration No.: 44,174MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
608/218-6900☒ **Statement Where No Further Pages Added**☒ This transmittal ends with this page.